data bit b_n	0	1	1	1	0	1	0	0	1
MLT-3 signal c_n	0	+1	0	-1	-1	0	0	0	1

discrete time

FIG. 1
PRIOR ART

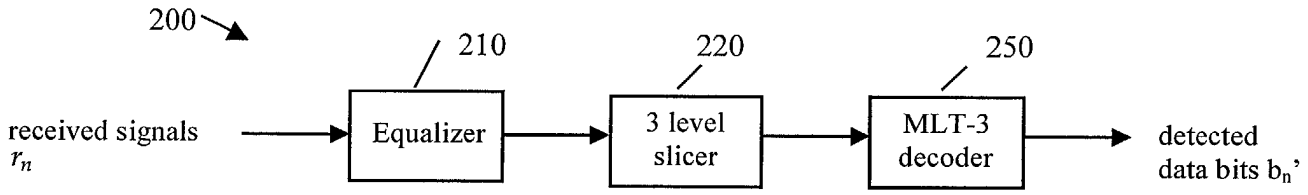

FIG. 2
PRIOR ART

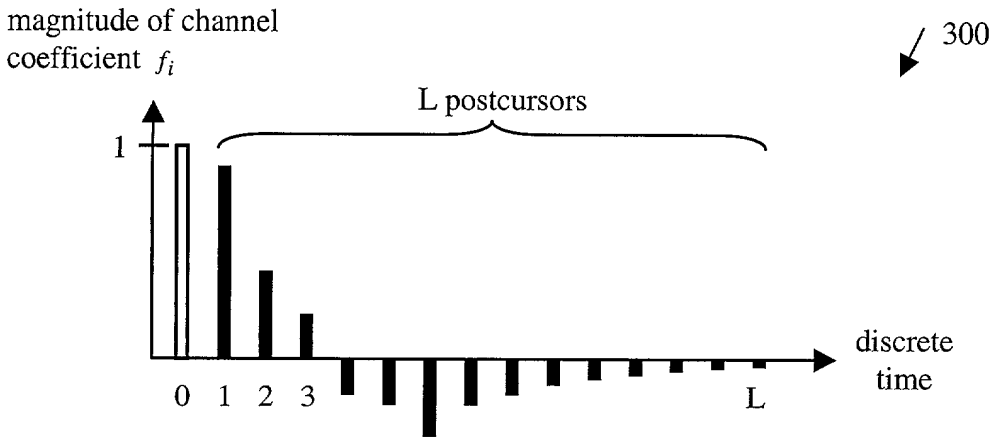

FIG. 3
PRIOR ART

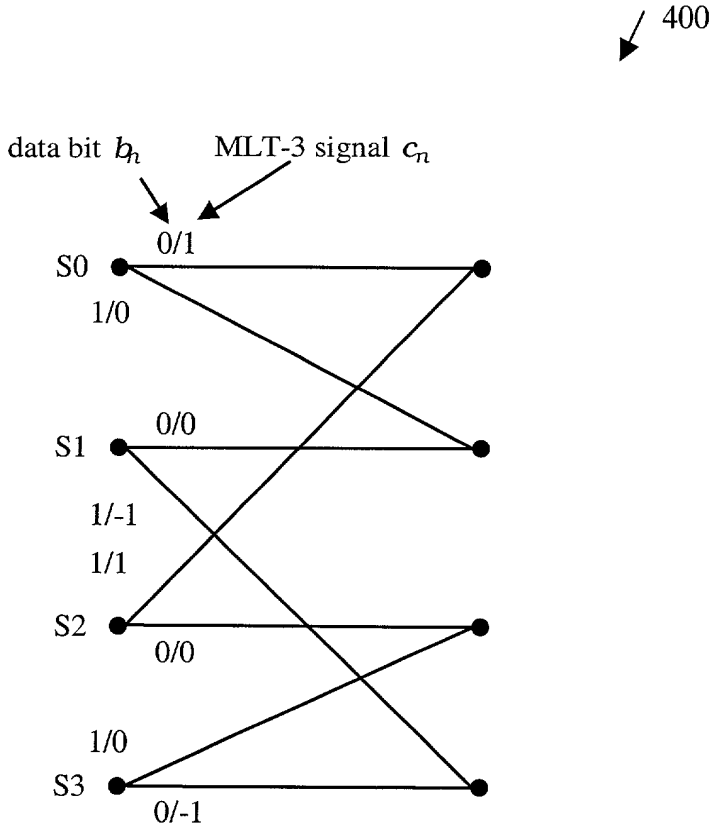

FIG. 4

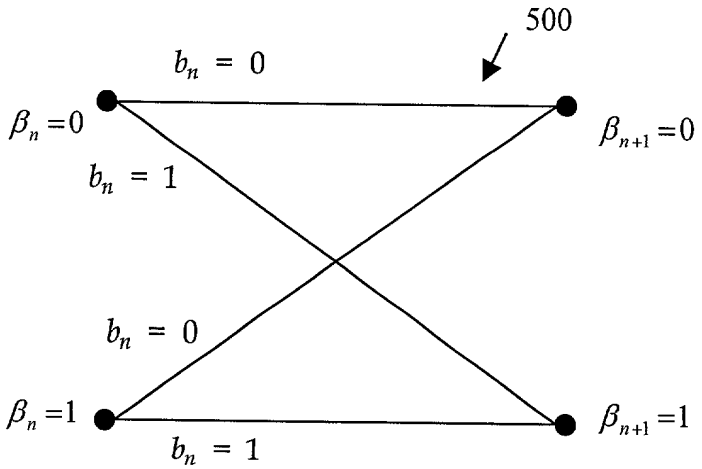
500
b_n = 0
β_n =0
β_{n+1} =0
b_n = 1
b_n = 0
β_n =1
β_{n+1} =1
b_n = 1

FIG. 5

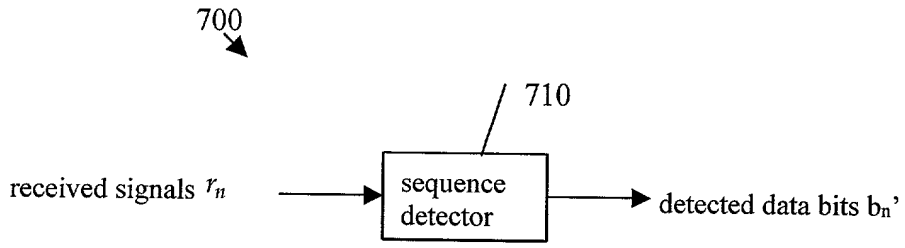
700
710
received signals r_n
sequence detector
detected data bits b_n'

FIG. 7

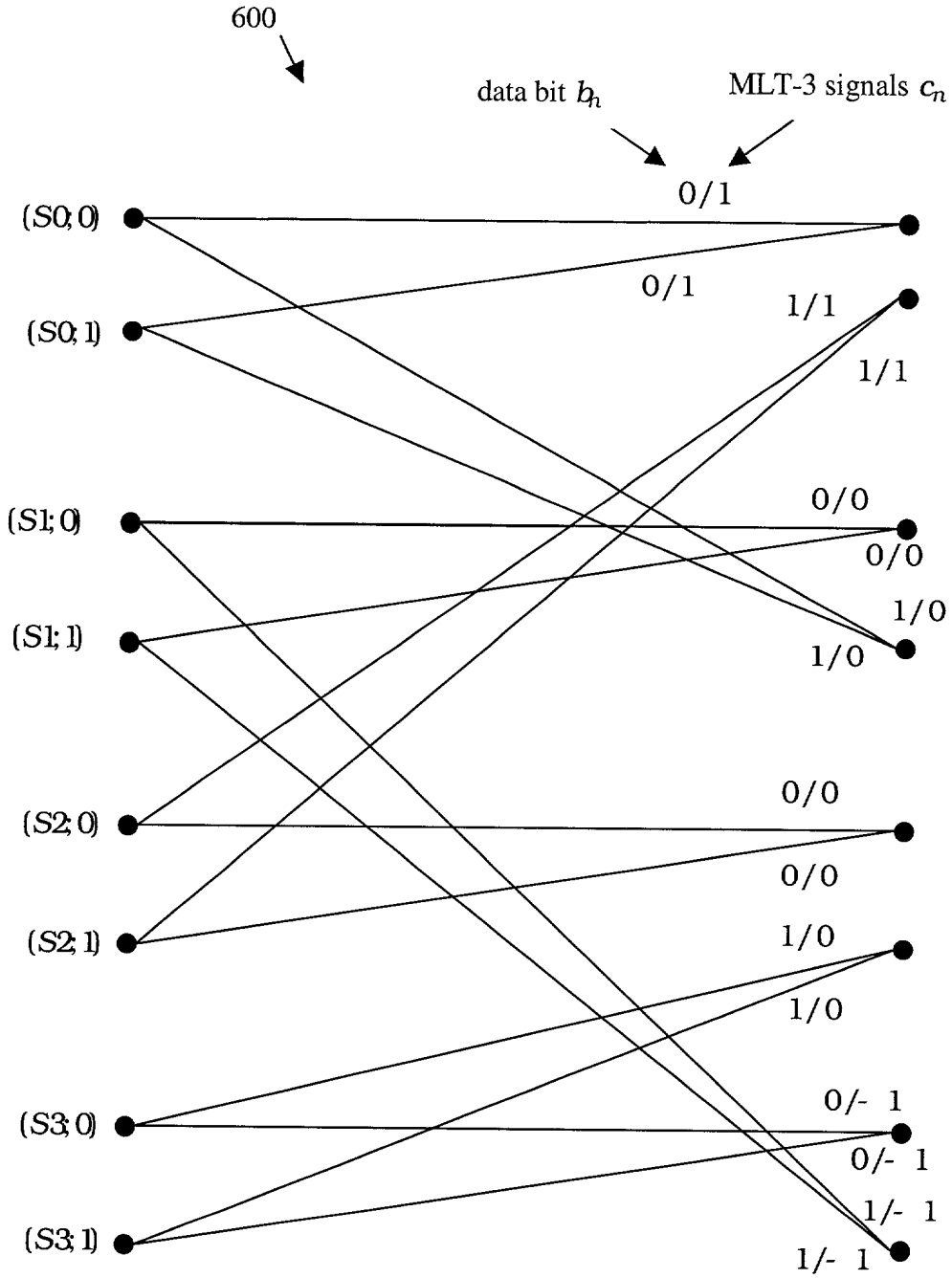
600
data bit b_n
MLT-3 signals c_n
0/1
(S0; 0)
(S0; 1)
(S1; 0)
(S1; 1)
(S2; 0)
(S2; 1)
(S3; 0)
(S3; 1)
0/1
1/1
1/1
0/0
0/0
1/0
1/0
0/0
0/0
1/0
1/0
0/- 1
0/- 1
1/- 1
1/- 1

FIG. 6

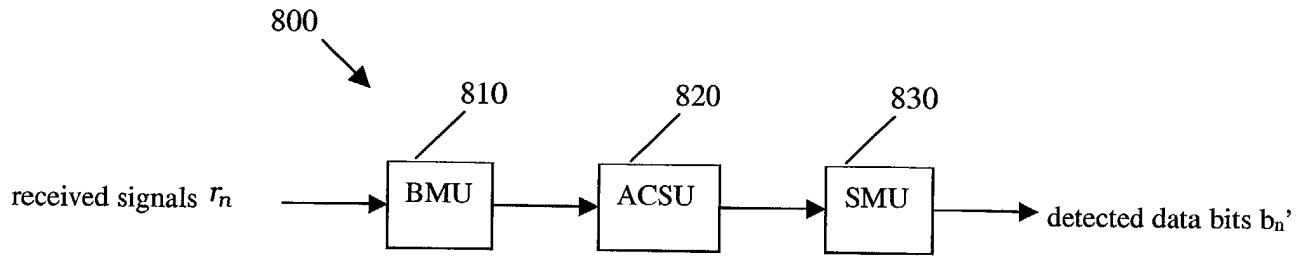

FIG. 8

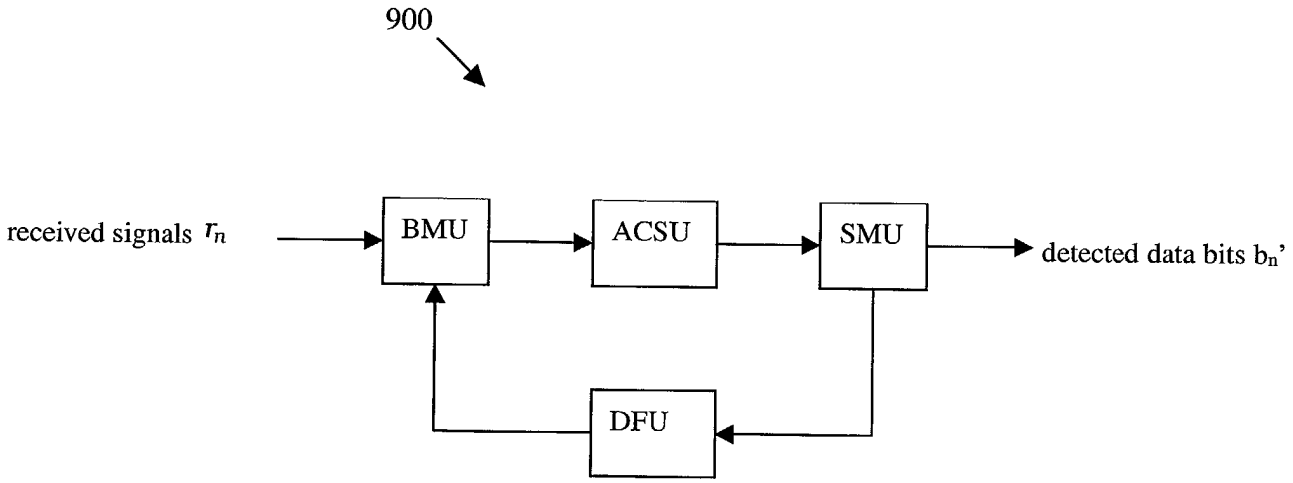

FIG. 9